

Technical Data Sheet

Icorene N2170

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2170 is a low density polyethylene resin with an excellent fluidity. It can be successfully added to low flowing LDPE grades to improve their processability.

This grade is also used for compound and masterbatch applications.

General

Features	• Good Processability	• High Flow
Uses	• Blending	• Compounding • Masterbatch
Agency Ratings	• EU Food Contact	• FDA Food Contact
Forms	• Powder	

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.916 g/cm ³	0.916 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	70 g/10 min	70 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1020 psi	7.00 MPa	ASTM D638
Flexural Modulus	21800 psi	150 MPa	ASTM D790

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	40	40	ASTM D2240

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	171 °F	77.0 °C	ASTM D1525
Peak Melting Temperature	216 °F	102 °C	ASTM D3418

Notes

These are typical property values not to be construed as specification limits.